

ABSTRACT OF THE DISCLOSURE

The invention, as embodied herein, comprises an improved portable maritime scoring and simulation system that comprises three or more buoys that are deployed in an area of water selected for maritime combat training. Attached to each buoy are a global positioning system receiver, an RF radio system, an acoustic analysis system, and a microprocessor. The acoustic analysis system is designed to capture an acoustic signature of ordnance impacting the water with predetermined characteristics. The system includes an RF radio repeater system linked to a system controller to control and monitor the elements of the system. In operation, when an acoustic signature is captured by the acoustic analysis system, the RF radio system, in one embodiment, transmits the time of the capture along with the GPS location of the buoy to the RF radio repeater system linked to the system controller. When three or more buoys transmit a captured acoustic signature, the system controller computes the location of impact using a location process. The invention also includes an improved method of controlling the system.